

In the Claims:

Please amend the Claims as follows and without prejudice. This listing of Claims will replace all prior versions, and listings, of claims in the application.

1. (Currently Amended) A method for processing video data for display on a display device having a plurality of luminous elements comprising:

applying a dithering function to at least part of said video data, wherein the dithering ~~function refines~~ improves the grey scale portrayal of video pictures of said video data,

computing at least one motion vector from said video data,

changing at least one of the phase, amplitude, spatial resolution and temporal resolution of said dithering function in accordance with said at least one motion vector when applying the dithering function to said video data; and

outputting the dithered video data to a display device.

2. (Previously Presented) The method according to claim 1, wherein said dithering function includes two spatial dimensions and one temporal dimension.

3. (Previously Presented) The method according to claim 1, wherein said dithering function includes the application of a plurality of masks.

4. (Previously Presented) The method according to claim 1, wherein said applying of said dithering function is based on single luminous elements of said display device.

5. (Previously Presented) The method according to claim 1, wherein said dithering function is a 1-, 2-, 3- or 4- bit dithering function.

6. (Previously Presented) The method according to claim 1, wherein said at least one motion vector is defined for each pixel or cell individually.

7. (Currently Amended) A method for processing video data for display on a display device having a plurality of luminous elements comprising:

applying a dithering function to at least part of said video data to refine the grey scale portrayal of video pictures of said video data,

computing at least one motion vector from said video data,

changing at least one of the phase, amplitude, spatial resolution and temporal resolution of said dithering function in accordance with said at least one motion vector when applying the dithering function to said video data; and

outputting the dithered video data to a display device;

wherein said at least one motion vector has two spatial dimensions.

8 – 16 (Cancelled)